

# PRODUCT DATASHEET CA14219\_STRADA-SQ-CY

## STRADA-SQ-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting. Version with location pins. Assembly with installation tape.

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 10.1 mm tape, pin, screw yes 1



## **MATERIAL SPECIFICATIONS:**

Component STRADA-SQ-CY ROSE-TAPE

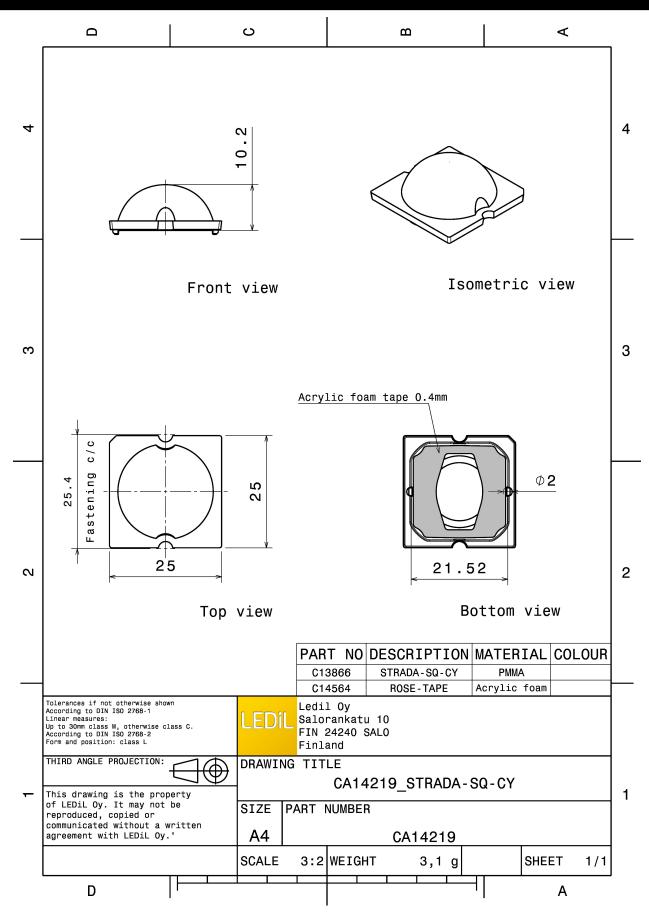
Туре	
Single lens	
Таре	

Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14219_STRADA-SQ-CY	Single lens	2058		98	7.8
» Box size: 480 x 280 x 300 mm					

PRODUCT DATASHEET CA14219\_STRADA-SQ-CY



(R)

See also our general installation guide: www.ledil.com/installation\_guide



## 

LED	MHD-E/G
FWHM / FWTM	117.0 + 115.0° / 138.0 + 133.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	its:

## 

LED	MK-R
FWHM / FWTM	118.0 + 115.0° / 274.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	ts:

		90° 90°
LED	XHP50	
FWHM / FWTM	122.0 + 118.0°	75° 75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45' 45'
Required component	its:	300 
		90°
LED	XHP50	
FWHM / FWTM	115.0 + 113.0° / 132.0 + 131.0°	72*
FWHM / FWTM Efficiency		. 10
	115.0 + 113.0° / 132.0 + 131.0°	,55 .100 .004
Efficiency	115.0 + 113.0° / 132.0 + 131.0° 90 %	23 - 50 - 75 6/5 - 6/5
Efficiency Peak intensity LEDs/each optic Light colour	115.0 + 113.0° / 132.0 + 131.0° 90 % 0.4 cd/lm 1 White	23 05 05 05 00 00 00 05
Efficiency Peak intensity LEDs/each optic	115.0 + 113.0° / 132.0 + 131.0° 90 % 0.4 cd/lm 1 White	23 69 69 50 50 69 69 69 69 69 69 69 69



LED	XHP70	90°
FWHM / FWTM	121.0 + 119.0° / 144.0 + 143.0°	73%
Efficiency	94 %	100
Peak intensity	94 % 0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	- 42° - 42°.
Required compone	nts:	340
		30* 15 <sup>5</sup> 0 <sup>6</sup> 15* 30 <sup>6</sup>
LED	XM-L	
FWHM / FWTM	122.0 + 116.0° / 270.0°	
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Required compone	113.	
	D	8°
LED	XP-L HD	
FWHM / FWTM	118.0 + 127.0° / 136.0 + 148.0°	73 * 100 73 *
Efficiency	94 %	
Efficiency Peak intensity	94 %	61 <sup>4</sup> (20
Peak intensity		61
Peak intensity LEDs/each optic	94 % 0.4 cd/lm	
Peak intensity	94 % 0.4 cd/lm 1 White	6° 200 6°
Peak intensity LEDs/each optic Light colour	94 % 0.4 cd/lm 1 White	6° 6°
Peak intensity LEDs/each optic Light colour	94 % 0.4 cd/lm 1 White	61
Peak intensity LEDs/each optic Light colour	94 % 0.4 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour	94 % 0.4 cd/lm 1 White nts:	6° -20 -0° -0° -0° -0° -0° -0° -0° -0
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0°	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 %	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm	
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	200
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	20 20 6 <sup>1</sup> 20 6 <sup>1</sup> 20 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 20
Peak intensity LEDs/each optic Light colour Required compone	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	20 20 6 <sup>1</sup> 20 6 <sup>1</sup> 20 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 20
Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	20 20 6 <sup>1</sup> 20 6 <sup>1</sup> 20 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 20



UMIL	.EDS
LED	LUXEON M/MX
FWHM / FWTM	120.0 + 115.0° / 271.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required compone	ents:
	EDS
I FD	
	LUXEON MZ
FWHM / FWTM	LUXEON MZ 127.0 + 118.0° / 144.0 + 137.0°
	127.0 + 118.0° / 144.0 + 137.0° 94 %
Efficiency	127.0 + 118.0° / 144.0 + 137.0° 94 %
Efficiency Peak intensity	127.0 + 118.0° / 144.0 + 137.0° 94 % 0.3 cd/lm
Efficiency Peak intensity LEDs/each optic	127.0 + 118.0° / 144.0 + 137.0° 94 % 0.3 cd/lm 1 White

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	127.0 + 118.0° / 144.0 + 137.0° 94 % 0.3 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON XR-M linear 1x3, 1x4, 1x5 118.0 + 115.0° / 135.0 + 130.0° 94 % 0.4 cd/lm 1 White	
ØNICHI/	١	80-1 Brt
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 125.0 + 117.0° / 141.0 + 131.0° 94 % 0.5 cd/lm 1 White	



<b>ØNICHI</b>			90 <sup>+</sup>	FT .
LED	NVSxx19B/NVSxx19C			
FWHM / FWTM	124.0 + 115.0° / 141.0 + 128.0°		750 100	
Efficiency	94 %			
Peak intensity	0.5 cd/lm		50 <sup>4</sup>	
LEDs/each optic	1			
Light colour	White		45*	$\neg$
Required compone	nts:			
			500	
			30° 15 <sup>5</sup> 800	15* 30
OSRAM Opto Semiconductors			90*	
LED	Duris S10			
FWHM / FWTM	116.0 + 113.0° / 132.0 + 128.0°		73%	
Efficiency	93 %			
Peak intensity	0.4 cd/lm		60°	
LEDs/each optic	1		200	
Light colour	White		45*	6
Required compone	nts:		- 300	
			$\times$	
			400	
			30*	30'
OCDAN				P P
OSRAM				
Opto Semiconductors			90*	90
Opto Semiconductors	Duris S8		22s 26.	90
Opto Semiconductors LED FWHM / FWTM	112.0° / 126.0°		50* 73*	99
opto Semiconductors LED FWHM / FWTM Efficiency	112.0° / 126.0° 93 %		91 29 00	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	112.0° / 126.0° 93 % 0.4 cd/lm		91 20 60 - 20	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1		50* 75* 	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		50° 50° 50°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		90* 75° 60° 5° 900 900 900 900	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		50° 50° 50° 50° 60° 60° 60°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		5°* 50	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:		5°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:		5°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:		50° 50° 50° 50° 50° 50° 50° 50°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts: JNG LH508A 114.0 + 113.0° / 127.0°		50° 50° 50° 50° 50° 50° 50° 50°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 %		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 % 0.4 cd/lm			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:		5°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White nts:			



## PHOTOMETRIC DATA (SIMULATED):

		90° 90°
LED	MHB-A/B	
FWHM / FWTM	112.0° / 138.0°	750 750
Efficiency	98 %	
Peak intensity	90 /0 0.4 cd/lm	.eo*
	1	
LEDs/each optic Light colour	ı White	
Required components:	Wilde	42, 300 42,
Required components.		
		30* 15 <sup>3</sup> 9% 15 <sup>4</sup> 30*
		0.4 0.4
LED	XHP50.2	
FWHM / FWTM	101.0 + 107.0° / 122.0 + 125.0°	73* 75*
Efficiency	94 %	
Peak intensity	0.4 cd/lm	50° 60°.
LEDs/each optic	1	200
Light colour	White	45° 45°
Required components:		30
		$\times$
		400
		30° 30° 30°
	)S	90* 90*
	DS LUXEON M/MX	9°
		<u>N'</u> N' N'
LED	LUXEON M/MX	90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0°	90° 90° 73° 200 60° 60°.
LED FWHM / FWTM	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 %	9° 75 200 200 200 00 00
LED FWHM / FWTM Efficiency Peak intensity	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1	50 50 6° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White	50 50 61 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate OSRAM Opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate OSRAM Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optio Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate OSERAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate OSERAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX 97.0 + 106.0° / 118.0 + 123.0° 88 % 0.4 cd/lm 1 White e, glass OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1	



# PRODUCT DATASHEET CA14219\_STRADA-SQ-CY

### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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